

Docket No. 520.43593X00
Serial No. 10/791,772
Office Action dated December 27, 2005

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

LISTING OF CLAIMS:

1. – 2. (Canceled)

3. (Currently amended) A The liquid cooling system, as described in the claim 2, comprising:

a heat-receiving jacket for absorbing heat generated from a semiconductor through a liquid, which is enclosed within an inside thereof;

a pump for circulating the liquid;

a radiator connected to said heat-receiving jacket through a flexible conduit therebetween;

wherein:

said radiator including has at least two (2) pieces of metal conduits for passing the liquid therethrough, whereby forming one of said at least two metal conduits forming a suction conduit of said pump from one of said metal conduits, and a second of said at least two metal conduits forming while a discharge conduit to said heat-receiving jacket from the other of said conduits, and said suction/discharge conduits are communicated;

a tank connected to said radiator through said at least two metal conduits; and

a plural number of fins attached to said at least two metal conduits,

wherein said suction conduit and said discharge conduit are in communication with an inside of said tank, and

wherein said pump is connected to said tank through said metal conduit.

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4. (Currently amended) The liquid cooling system, as described in the claim 32, wherein:

a suction port and a discharge port are provided on said pump, and those ports are connected with said tank, being inserted into port insertion openings provided thereon.

5. (Currently amended) The liquid cooling system, as described in the claim 32, wherein:

an inside of said tank is divided into two (2) spaces with a partition plate, into one thereof being opened the suction port of said pump and said suction conduit while into the other thereof being opened said discharge port and said discharge conduit.

6. (Currently amended) The liquid cooling system, as described in the claim 32, wherein:

a partition plate for separating an inside of said tank into two (2) is formed to be about "S" in shape thereof.

7. (Original) The liquid cooling system, as described in the claim 5, wherein: an air storage portion is provided in each of the spaces of said tank.

8. (Canceled)